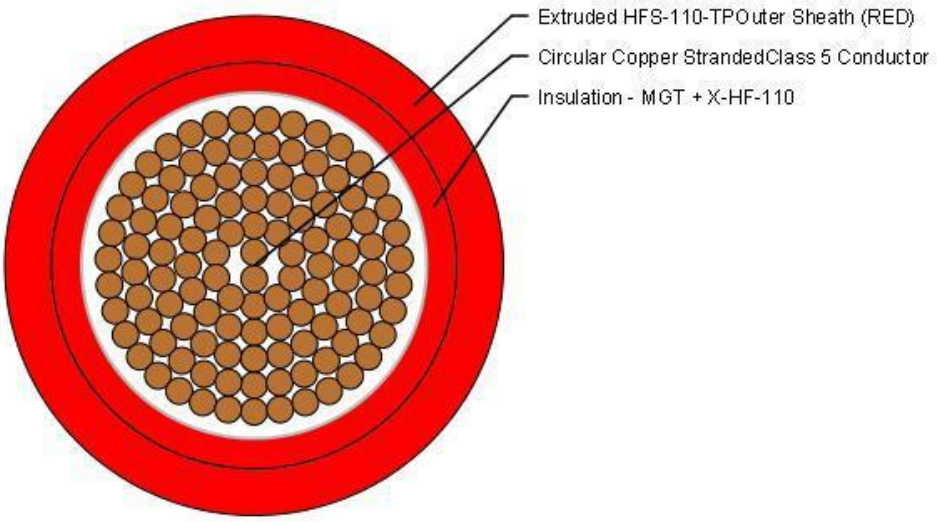
Ducab دوكاب

TECHNICAL DATASHEET

0.6/1kV 1CX70mm2 CU C5MG/X-HF-110/HFS-110-TP RD

Ref:3518429_V0_A0



	Product Standard	AS/NZS 5000.1	
	Performance Standard(Flame / Fire - Test)	AS/NZS 3013	
	Rated Voltage(Uo/U)	0.6/1	kV
1	**Circular Stranded Copper Class 5 Conductor**		
	Number of Core(s)	1	Nos
	Nominal cross-sectional area	**70**	mm²
	Approx. Diameter of Conductor	11	mm
2	**Insulation - MGT + X-HF-110**		
	Color(s)	RED	
	Nominal Thickness	1.1	mm
	Approx. Diameter over Insulation	14.5	mm
3	**Extruded LSZH Outer Sheath (RED)**		
	Nominal Thickness	1.41	mm
	Approx. Diameter over outer sheath	18	mm
4	**Approx. Weight of complete cable**	841	kg/km
5	**Electrical Parameters**		
	Max. DC Resistance of Conductor at 20°C	0.272	Ω/km
	Approx. AC Resistance of Conductor at 110 °C	0.369	Ω/km
	Approx. Capacitance	0.739	µF/km
	Approx. Inductance	0.25	mH/km
	Approx. Inductive Reactance	0.103	Ω/km
	Approx. Impedance	0.36	Ω/km
6	**Current Carrying Capacity** based on the conditions specified		
	Installation Type (Single Circuit)	Trefoil Both ends bonded	
	Ambient air temperature	30	°C

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	In air	268	Amps
7	**Maximum conductor temperature** for continuous operation / Short Circuit Operation	110/250	°C
8	**Short Circuit Current** carrying capacity, cable loaded as above prior to short circuit		
	Conductor	9.23	kA/1 sec
9	**Installation Parameters**		
	Maximum pulling force (For Conductor)	420	kgf
	Minimum Bending Radius	144	mm

* Drawing not to Scale
* All dimensions and weight mentioned are approximate
* Refer "Ducab Drum Handling,Storage and Installation Guide" for more details on drum Handling.
* This TDS is Auto-Generated from Design Data Base,hence no signature is required.